

CLAIM AMENDMENTS

1. (currently amended) A vaccine comprising:

a recombinant vesicular stomatitis virus (VSV) particle comprising a nucleic acid molecule encoding a viral hemorrhagic fever (VHF) glycoprotein inserted into the viral genome wherein the foreign glycoprotein has replaced the native VSV glycoprotein and only the VHF glycoprotein is expressed on the surface of the recombinant VSV particle, wherein said recombinant VSV particle is infectious.

2. (currently amended) The recombinant VSV particle vaccine according to claim 1 wherein the viral hemorrhagic fever (VHF) glycoprotein is an immunogenic fragment.

3. (currently amended) The recombinant VSV particle vaccine according to claim 1, wherein the VHF glycoprotein is selected from the group consisting of: a glycoprotein from Lassa virus; a glycoprotein from Marburg virus; a glycoprotein from Ebola virus; a glycoprotein from Crimean-Congo HFV; a glycoprotein from Dengue virus; a glycoprotein from Nipah virus; a glycoprotein from Hendra virus; a glycoprotein from Machupo virus; a glycoprotein from Junin virus; a glycoprotein from Guanarito virus; and a glycoprotein from Sabia virus.

4. Cancelled.

5. (currently amended) The recombinant VSV particle vaccine according to claim 1 wherein the first gene of the recombinant VSV codes for the VHF glycoprotein.

6. cancelled.

7. cancelled

8. cancelled

9. cancelled

10. cancelled

11. cancelled

12. cancelled

13. (currently amended) A method of eliciting an immune response in

vaccinating an individual comprising:

administering to an individual a recombinant vesicular stomatitis virus (VSV) particle comprising a nucleic acid molecule encoding a viral hemorrhagic fever (VHF) glycoprotein inserted into the viral genome wherein the foreign glycoprotein has replaced the native VSV glycoprotein, and only the VHF glycoprotein is expressed on the surface of the recombinant VSV particle, wherein said recombinant VSV particle is infectious and simulates infection by said VHF virus but does not cause disease or symptoms associated with said VHF.

14. (previously presented) The method according to claim 13 wherein the viral hemorrhagic fever (VHF) glycoprotein is an immunogenic fragment.

15. (previously presented) The method according to claim 13 wherein the VHF glycoprotein is selected from the group consisting of: a glycoprotein from Lassa virus; a glycoprotein from Marburg virus; a glycoprotein from Ebola virus; a glycoprotein from Crimean-Congo HFV; a glycoprotein from Dengue virus; a glycoprotein from Nipah virus; a glycoprotein from Hendra virus; a glycoprotein from Machupo virus; a glycoprotein from Junin virus; a glycoprotein from Guanarito virus; and a glycoprotein from Sabia virus

16. cancelled

17. (previously presented) The method according to claim 13 wherein the first gene of the recombinant VSV codes for the VHF glycoprotein.

18. cancelled

19. (original) The method according to claim 13 wherein the particle is administered orally.

20. (original) The method according to claim 13 wherein the particle is administered intranasally.

21. (previously presented) A method of preparing a pharmaceutical composition for passive immunization of an individual in need of immunization comprising:

administering to an animal an infectious recombinant vesicular stomatitis virus (VSV) particle comprising a nucleic acid molecule encoding a viral hemorrhagic fever

(VHF) glycoprotein inserted into the viral genome wherein the foreign glycoprotein has replaced the native VSV glycoprotein and only the VHF glycoprotein is expressed on the surface of the recombinant VSV particle, wherein said recombinant VSV particle is infectious and simulates infection by said VHF virus but does not cause disease or symptoms associated with said VHF;

harvesting antibodies from said animal; and

mixing said antibodies with a suitable excipient or carrier, thereby forming a pharmaceutical composition.

22. (previously presented) The method according to claim 21 wherein the viral hemorrhagic fever (VHF) glycoprotein is an immunogenic fragment.

23. (previously presented) The method according to claim 21 wherein the VHF glycoprotein is selected from the group consisting of: a glycoprotein from Lassa virus; a glycoprotein from Marburg virus; a glycoprotein from Ebola virus; a glycoprotein from Crimean-Congo HFV; a glycoprotein from Dengue virus; a glycoprotein from Nipah virus; a glycoprotein from Hendra virus; a glycoprotein from Machupo virus; a glycoprotein from Junin virus; a glycoprotein from Guanarito virus; and a glycoprotein from Sabia virus.

24. cancelled

25. (previously presented) The method according to claim 21 wherein the first gene of the recombinant VSV codes for the VHF glycoprotein.

26. cancelled

27. (original) The method according to claim 21 wherein the particle is administered orally.

28. (original) The method according to claim 21 wherein the particle is administered intranasally.

29. (previously presented) The method according to claim 21 wherein the VHF glycoprotein is selected from the group consisting of: a glycoprotein from Lassa virus; a glycoprotein from Marburg virus; and a glycoprotein from Ebola virus.

30. (previously presented) The method according to claim 13 wherein the VHF glycoprotein is selected from the group consisting of: a glycoprotein from Lassa virus;

a glycoprotein from Marburg virus; and a glycoprotein from Ebola virus.

31. (previously presented) The recombinant VSV particle according to claim 1 wherein the VHF glycoprotein is selected from the group consisting of: a glycoprotein from Lassa virus; a glycoprotein from Marburg virus; and a glycoprotein from Ebola virus.